

FILTER SYSTEM AND METHOD FOR CLEANING FILTER ELEMENTS IN A POWDER COATING APPARATUS

Abstract

A filter system and a method for cleaning a gas laden with powder particles, in particular for a powder coating apparatus. At least one filter element is arranged between a crude gas chamber and a clean gas chamber. A first gas discharge device directs a gas stream from the crude gas chamber through the filter element into the clean gas chamber. A shut-off device interrupts the first gas stream through the filter element, and a second or cleaning gas discharge device directs a cleaning gas stream through the filter element into the crude gas chamber. A vibration device vibrates and/or shakes the filter element to dislodge powder from the filter element.